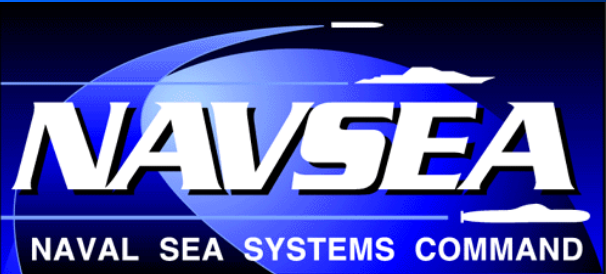# Interim FLSIC 23-24 October 02

Transition of CM into ERP Environment

AI #: 020314-01
SEA 04L5 outline (with Fleet involvement) new CM business practices under ERP.

Ms. Debra Wood, SEA 04L51
Configuration Management & Readiness Division
CM Systems, Policy and Planning Branch Head

TOPICS

**SEA 04L5
CONFIGURATION
MANAGEMENT
and
READINESS
DIVISION**

CM ERP STATUS

- Phase A (CM) Highlights
- Transition of CM into ERP
- CM ERP Preparation Plan
- Key Challenges
- CM ERP POA&M
- Summary

PHASE "A" CM HIGHLIGHTS

- Limited initial data migration to 22 CM data elements
- Focused on Configuration <u>Data Quality</u> & <u>Accuracy</u>

  - *Conducted Desk-Top Audits of Select Data Elements*

- CDMD-OA E52 process used to initialize SAP R/3 with Ships CM Data

  - *ASI process to update Baseline Configuration after load*

- CM Representative on-site working with CDMs to ensure Configuration Changes are forwarded to appropriate CDM to update CDMD-OA
- Participating in ERP Interoperability Workshops

TRANSITION OF CM INTO ERP ENVIRONMENT

- <u>NATIONAL SYSTEMS (Web-Tools)</u>
  - Proposed NAVSEA 04 processes to start effort
    - Technical Data
    - Configuration Status Accounting
    - Calibration
    - SHAPEC
    - PMS
    - EHS
  - CSA Transition
    - Expand Data Clean-Up Efforts
      - *Shipboard Audits*
      - *Purging Obsolete Data from CDMD-OA*
      - *Working with NAVICP to Move Remaining VALID WSF Level A Configuration Records to CDMD-OA*

TRANSITION OF CM INTO ERP ENVIRONMENT (cont)

CSA Transition (Continued)

- Address Phase "A" Findings
  - *Lack of Standardization*
  - *Multiple HSC Schemas*
  - *Nomenclature inconsistencies*
  - *UNNPI Definition*
  - *SAP R/3 Functionality Gaps*
- Known Systemic Problems
  - *CDM Assessments*
- Develop Comprehensive Implementation Plan
  - *Preparation Plan (High Level Requirements)*
  - *Transition Plan (Detail Design)*
  - *Application Plan (Execution)*

  - *Application Plan (Execution)*

ERP CM
PHASE "C" PREPARATION PLAN

ERP CM Enterprise Objectives

ERP CM Strategic Business Plan

Core CM Business Processes

Business Programs

USERS	CUSTOMERS	DATA SOURCES	MAIN-TAINERS	LEGACY DATA FEEDS

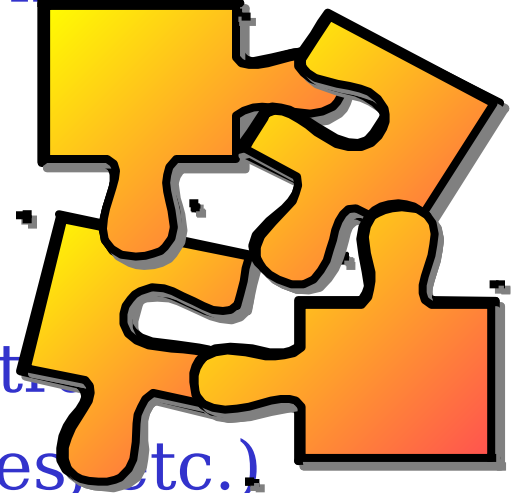| ADMINISTRATIVE HIERARCHY	PHYSICAL HIERARCHY	STANDARD-IZATION	CHANGES REVISIONS	DATA QUALITY	METRICS

ENTERPRISE OPERATING STANDARDS

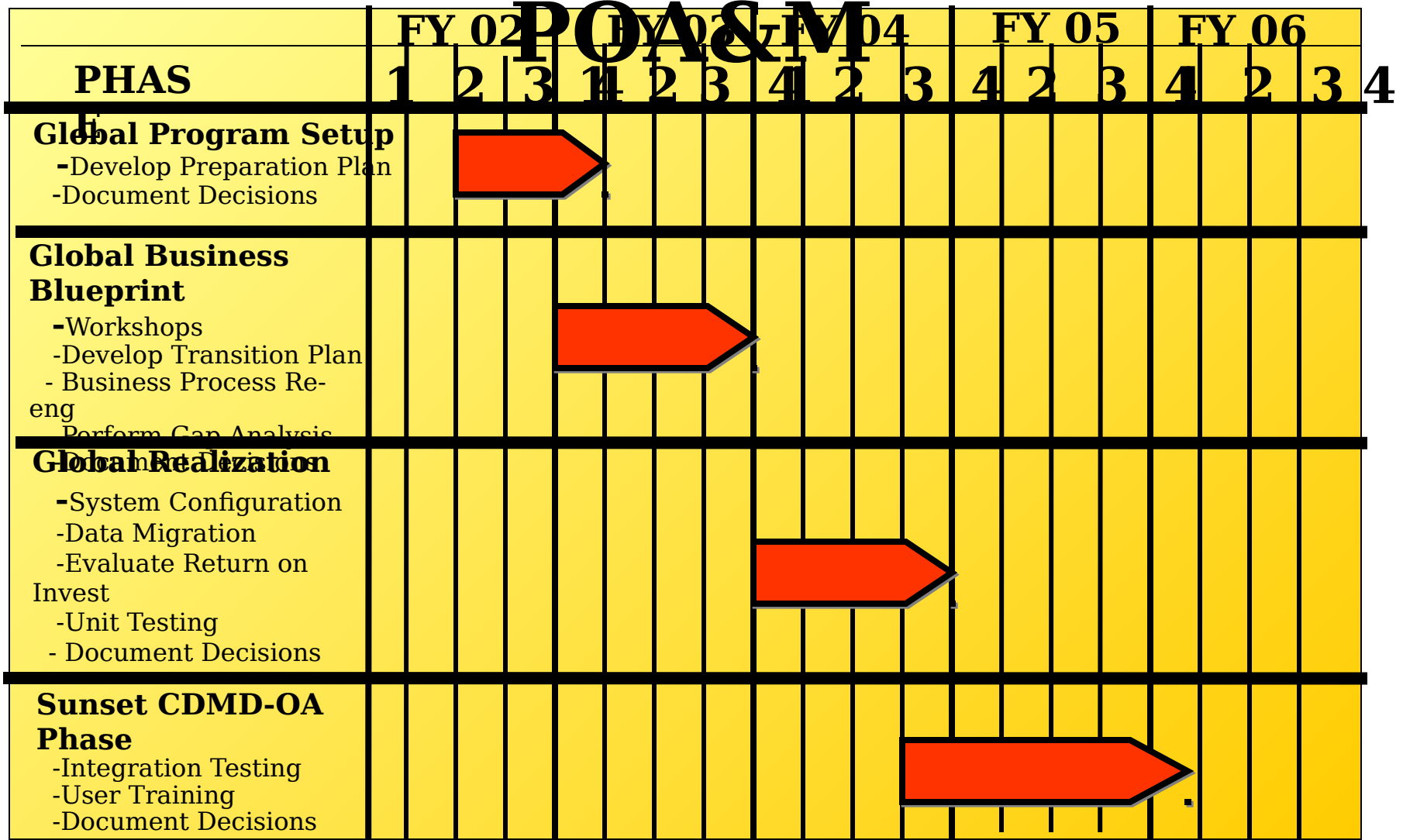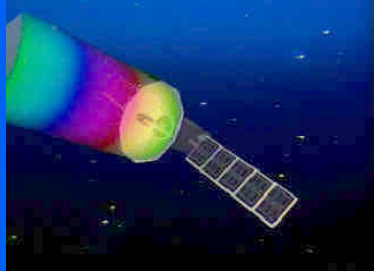| ADMINISTRATIVE HIERARCHY	PHYSICAL HIERARCHY	STANDARD-IZATION	CHANGES REVISIONS	DATA QUALITY	METRICS
Cross Functional Business MGMT Teams	Cross Functional Development Teams	Numbering Conventions Items/Documents	Closed-Loop Change Process	Cross Functional Validation/Audit Team	Macro / Micro Level Measurements
As Planned, As Released Baseline	Metadata for Items and Documents	Rules of Inter - Changeability	Standardized Engineering Change Forms	Source Data / Document Ownership	Adherence to Operating Standards
Organizational Policies	Data Repositories and Security	Nomenclature/ Description Consistency	Technical Reviews/ Control Boards	Accountability for Data Integrity	Ongoing Surveillance Internal Audits
CM Business Rules	CM During Development/ Research	Equivalent/ Alternate Items Cross-Reference	Effective Dates/ Reidentification Process	Error Prevention For Data Entry Integrity = 100%	Benefits Of Real Improvement

TRANSITION CHALLENGES

- Funding/Resources
- Expanded data clean-up efforts for Phase C
- Roles & Responsibilities
- Training
- Functionality Gaps in SAP R/3
- Existing shipbuilding & systems contr...
- Standardization (HSC, Nomenclatures, etc.)
- Synchronization with internal/external integration touch-points during pre/post transition

CM ERP IMPLEMENTATION POA&M

PHASE	FY 02				FY 03				FY 04				FY 05				FY 06			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Global Program Setup -Develop Preparation Plan -Document Decisions																				
Global Business Blueprint -Workshops -Develop Transition Plan - Business Process Re-eng -Perform Gap Analysis -Document Decisions																				
Global Realization -System Configuration -Data Migration -Evaluate Return on Invest -Unit Testing - Document Decisions																				
Sunset CDMD-OA Phase -Integration Testing -User Training -Document Decisions																				

SUMMARY

- Successful migration of CM business processes and data into ERP dependent upon overcoming key challenges.

- <u>Bottom Line:</u> Seize opportunity to improve our CM Product to the Fleet

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